

NEW GENERA AND SPECIES OF AUSTRALIAN
MYMARIDÆ*(Hymenoptera)*

By A. A. GIRAULT

The following were discovered while revising the members of this family, and have been compared with the types, through the kindness of the Queensland Museum. All from northern Queensland except one or two.

Polynema ara, new species.

Fore wing with three equidistant, conspicuous cross-stripes, distal two irregular, joined midlongitudinally and marginally; hind wing fuscous distal half. Red-brown, antennæ abdomen's body black; funicles five times longer than wide, scape short, dilated. Fringes third width of fore wing, 25 lines fine discal cilia. Scaly.

Forest, Nelson, July 24, 1918, male.

Polynema signum, new species.

Like *sieboldi*, but jet, coxa 1 black, so antennæ save scape and pedicel.

Ravenshoe, jungle, March 13, 1919.

Polynema aequum, new species.

Like *nordawi*, but colored like *spenceri*, save that tibiæ 2 and 3 pale at basal half; funicles 2 and 3 not elongate, equal and longest, but 1 and 2 longest, twice longer than wide, 3-5 short-ovate; discal cilia reaching venation in two converging lines from either side of middle, meeting against marginal.

Nelson, February.

Polynema filius, new species.

Like *aligherini*, but fringes nearly two-thirds width, tibiæ 3 somewhat darkened, funicle 6 black, often 4 and 5; discal cilia attaining venation in a point which continues as a single line toward middle of submarginal.

Nelson.

Polynema silvæ, new species.

Like *pax*, but connecting discal cilia of fore wing colorless. scape darker, funicle 1 black.

Anaphoidea australia, new species.

Like *galtoni*, but funicles 2 and 3 equal, fringes disto-cephalad distinctly shorter than those caudo-distad, tarsal 1 equal others, fringes only three-fourths width.

Nelson, kitchen window, April 5, 1919.

Ooctonus centaurus, new species.

Like *australiensis*, but fore wing with a midlongitudinal stripe of fuscous from apex to middle.

Goondi, jungle, September.

Goetheana shakespearei, new genus and species.

Antennæ 8-jointed, one ring-, one funicle joint, tarsi 4-jointed, club with long silky hairs. Fore wing as in *Anagrus*, but marginal elongate, reaching distal fourth, stigmal oblique and normal. Hind wing without cephalic marginal cilia, those caudad very long. Thorax as in *Polynema*, abdomen as *Gonatotocerus*; a phragma extends to abdomen.

Black, wings clear, abdomen, legs golden, two marginal spots on each side of abdomen near apex. Pedicel thrice longer than wide at apex, much exceeding following joints. Funicle a bit longer than wide, so clubs 1 and 4, 2 and 3 wider than long. Fore wing 4-5 lines discal cilia.

Greenhills, near Cairns, January 31, 1919.

Dicopus victoria, new species.

Like *maximus*, but funicles 1-2 equal, a bit longer than wide, 3 and 4 equal, twice 1, 5 somewhat shorter than 4, 6-7 ovate, shorter, longer than 1 or 2.

Herberton, March 11, 1919, with a female *maximus*.

Erythmelus superbus, new species.

Same as *cinctus*, but very much larger (plainly visible to eyes), tibiæ golden, basal third middle, apex hind, tibiæ dusky, funicles 1-2 equal, half longer than wide, 6 longer than pedicel;

tarsals distinctly longer. At apex, 9 lines discal cilia on fore wing.

Ravenshoe, jungle, March 13, 1919.

Erythmelus quadrimaculatus, new species.

Like *kantii*, but golden, club, ocellar area, distal third abdomen, propodeum save median line, a cuneus each side meson scutum, cephalic and paraspide and a spot on axilla, jet, also metapleurum. Basal limit of discal cilia with large, obtuse emargination, one cephalic line attaining venation.

Meringa, near Cairns, December.

Paranaphoidea tennysoni, new species.

Ovipositor one-sixth abdomen. Jet, median line scutum, scutellum, lateral angles of latter, face, cheeks, portion of vertex, scape, pedicel, prepectus, legs save coxa 3 and femur 3 save at ends, golden. Funicle 6 globose. Extruded ovipositor valves silvery, black at tip. Like *caudata*.

Forest, Cairns, January.

Anthemus emersoni, new species.

Fore wing practically naked; funicle 5 elongate, as wide as club. Head, scutum, not quite distal half abdomen, funicle and club, spot hind end of paraspide, black. Otherwise much as in *hilli*.

Nelson, window.

Camptoptera vasta, new species.

As in *greyi*, but funicle 1 three-fourths of 2, twice longer than wide, 3 longest, thrice longer than wide, 2 equal 4 and a bit shorter, 5 and 6 ovate, 5 longer than 1. Discal cilia fore wing with the midlongitudinal lines rather far from apex and of six widely spaced setæ reaching far toward venation. Club somewhat shorter.

Nelson, window.

Alaptus apterus, new species.

As *newtoni*, but funicle 1 yet shorter, a bit longer than wide,

half of 2, which is somewhat longer. Greyish black, scutellum orange, legs pale. No wings.

Taken with types *Eomymarus maximus*, two females.

Alaptus aureus, new species.

As *newtoni*, but lemon, funicles 1-3 equal, each two times longer than wide; midlongitudinal discal cilia 2-4 in a straight line halfway between apex and venation. Funicles 4-5 ovate.

Windows, Mulgrave Mill, Nelson, February.

Gonatocerus dodo, new species.

As *pachyscapa*, but funicle 1 longer than wide, rest half longer than wide, scape somewhat less dilated, fore wings less densely ciliate in disk.

Brisbane, forest, H. Hacker.

Gonatocerus petrarchi, new species.

Funicles 1-3 much longer than wide, following globular; otherwise much as in *fasciiventris*, but scutellum with but black center at base and abdomen with haired marginal dots.

Pt. Douglas, March. Also Nelson.

Gonatocerus hallami, new species.

Funicles 2, 3 and 7 nearly thrice longer than wide, rest a third shorter. As *petrarchi*, but head yellow.

Nelson, forest, March.

Gonatocerus macauleyi, new species.

As *pachyscapa*, but funicles 1-2 equal, quadrate, rest twice longer than wide, median line and margins scutum yellow and lateral margins scutellum.

Forest, Watsonville, March 12, 1919.

Gonatocerus pater, new species.

As *angustiventris*, but a line of discal cilia long marginal forming a V with a caudal line, funicles 1-2 equal, 5 longest.

Forest, Watsonville, March.

Gonatocerus nuntius, new species.

As *angustiventris*, but scape like *pachyscapa*, first legs

golden save coxæ, tibial tips more distinctly yellow, funicles quadrate, 1 much smaller.

Forest, Watsonville, March.

Stethynium longfellowi, new species.

Funicles 1-4 equal, twice longer than wide, rest subglobular. Ovipositor distinctly, shortly extruded. Lemon, club and a spot on cephalic axilla black. As *latipenne*.

Forest, Watsonville, March 12, 1919.

Stethynium shakespearei, new species.

As *longfellowi*, but a cuneus each side cephalic scutum and thorax above caudad scutellum, black.

Wynnum, window, November 11, 1918.

Stethynium mutatum, new species.

As *latipenne*, but hind wing without discal cilia midlongitudinally, funicles twice wider than long.

Irvinebanke, March.

Stethynium tenerum, new species.

As *mutatum*, but scutum black, scutellum same between median and lateral grooves save margins, four distinct cross-stripes on abdomen. Small, stout.

Irvinebanke, March 15, 1919.

A NEW NOCTUID FROM ARIZONA

(*Lepidoptera, Noctuidæ, Mominæ*)

BY HARRISON G. DYAR

Zazunga moës, new species.

Antennæ dark straw-yellow. Head and thorax dark gray, mixed with white; a black line near tip of tegulæ. Fore wing dark gray, irrorated with black; inner line pale-filled, with a black edge above, which is outward from costa to median vein and inward below that, the line being dislocated outward in submedian space. Orbicular a round black ring, filled with the